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FEB 11 2004  
TRADEMARK OFFICE

520.43279X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): S. YAMASHITA, et al

Serial No.: 10/706,972

Filed: November 14, 2003

For: QUALITY MONITORING SYSTEM FOR BUILDING  
STRUCTURE, QUALITY MONITORING METHOD FOR  
BUILDING STRUCTURE AND SEMICONDUCTOR  
INTEGRATED CIRCUIT DEVICE

Group:

Examiner:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 & 1.98**

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

February 11, 2004

Sir:

In the matter of the above-identified application, applicant(s) is/are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration which have been cited in a corresponding PCT application in a preliminary examination report.

This information disclosure statement is being submitted within three months of the filing date.

To the extent that, the documents listed on the attached form equivalent to Form PTO-1449, are not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by the following.

Applicants advise that:

1. The Examiner of the preliminary examination of the PCT application

decided based on the cited documents as follows:

- (1) The novelty is recognized for all claims.
- (2) The inventive step is not recognized for all claims.
- (3) The industrial applicability is recognized for all claims.

2. In more detail

(1) The Examiner of the preliminary examination of the PCT application cited documents JP 2002-39810, JP 09-304127 and EP 0 491 567 A1 against claims 1-4, 6-11 and 13 and described as follows:

JP 09-304127 discloses a quality monitor system, which comprises a device, that is put in the building structure and includes a sensor detects some physical quality relating to characters of building structure, and an inspection device, that receives detected signals generated by the device based on the detected some physical quality and decides the quality of the building structure based on received the detected signals.

Further, since sensors are built in Integrated Semiconductor Circuit is well-known idea as shown in JP 09-304127 and JP 2000-032732, it is obvious to the skilled person in the field that the sensor is built in Integrated Semiconductor Circuit as described in claim 1 of the invention.

Further, JP 2002-39810 described that the device includes ID information for recognizing the sensor, memory and wireless telecommunication system. Therefore the invention described in claims 2-4 has less inventive step than the invention described in JP 2002-39810, JP 09-304127 and EP 0 491 567 A1. As similar reason, the invention described in claims 6-11, and 13 has no inventive step more than the invention described in JP 2002-39810, JP 09-304127, EP 0 491 567 A1, JP 2001-201373 and JP 07-050104.

(2) The Examiner of the preliminary examination of the PCT application cited JP 2002-39810, JP 09-304127, EP 0 491 567 A1, JP 2001-201373 and JP 07-

050104 against claims 5 and 12 and described as follows:

Since it is well known that the sensor should be built in the concrete paste before the concrete paste is set as described in JP 2001-201373 and JP 07-050104, that the sensor should be built in the concrete paste before the concrete paste is set and make measuring in the JP 2002-39810, is obvious to the skilled person in the field.

Therefore the invention described in claims 5 and 12 has less inventive step than the invention described in JP 2002-39810, JP 09-304127, EP 0 491 567 A1, JP 2001-201373 and JP 07-050104.

(3) The Examiner of the preliminary examination of the PCT application cited publications JP 2002-39810, JP 09-304127 and EP 0 491 567 A1 against claims 14-17 and 20-25 and described as follows:

An electric power generator is described in JP 2002-39810. Further, that a condenser can be used as a storage means for electric power is described in JP 2002-39810 also. Therefore the invention described in claims 14-17 and 20-25 has less inventive step than the invention described in JP 2002-39810, JP 09-304127 and EP 0 491 567 A1.

(4) The Examiner of the preliminary examination of the PCT application cited in JP 2002-39810, JP 09-304127, EP 0 491 567 A1, JP 2001-201373, JP 2002-135348, EP 1 162 767 A2, JP 2000-032732 and WO 00/50849 against claims 18 and 19 and described as follows:

Since UWB communication system is well known as described in JP 2002-135348 and EP 1 162 767 A2, it is obvious to the skilled person in the field that the communication system can be used in the JP 2002-39810.

Further MEMS technology and accumulating technology for electric energy changed from vibrating energy is well known as described in JP 2000-032732 and WO 00/50849, it is obvious to the skilled person in the field that said well known

technique is can be used in JP 2002-39810 as an electric power generating means system.

Therefore the invention described in claims 18 and 19 has less inventive step than the invention described in JP 2002-39810, JP 09-304127, EP 0 491 567 A1, JP 2001-201373, JP 2002-135348, EP 1 162 767 A2, JP 2000-032732 and WO 00/50849.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (520.43279X00) and please credit any excess fees to such deposit account.

Respectfully submitted,



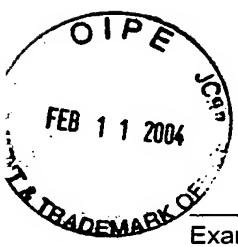
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**Form PTO-1449  
Equivalent**

**U.S. Department of Commerce  
Patent and Trademark Office**

Atty. Docket No. 520.43279X00  
Serial No. 10/706,972  
Applicant: YAMASHITA, et al  
Filing Date: November 14, 2003  
Group:



## U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
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## Foreign Patent Documents

Document No.	Date	Country	Class	Subclass	Translation Yes	No
EP 0 491 567 A1	6/92	European				
7-50104	2/95	Japan				
9-304127	11/97	Japan				
2000-32732	1/00	Japan				
WO 00/05849	8/00	PCT/US00/04998				
2001-201373	7/01	Japan				
EP 1 162 767 A2	12/01	European				
2002-39810	2/02	Japan				
2002-135348	5/02	Japan				

**Other Documents (including Author, Title, Date, Pertinent Pages, etc.)**

**Examiner**

### Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.